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Introduction to MQTT Security Mechanisms



In this tutorial we look at how you can restrict access to a broker, and how you can protect your data using various security mechanisms.

It is important to note that these security mechanisms are initiated by the broker, and it's up to the client to comply with the mechanisms in place.

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It is also important to realise that when planning security for your implementation that you must consider the capabilities of your MQTT clients as well as your broker.

This tutorial will use the free Open source Mosquitto broker, and the Paho Python MQTT client to illustrate these mechanisms.

Client Authentication

There are three ways that a Mosquitto broker can verify the identity of an MQTT client:

- Client ids
- Usernames and passwords.
- Client Certificates

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By Steve Cope
